

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A computer code generator configured to generate a computer code from a specifications file, comprising:

a front end configured to receive a specifications file and a grammar file corresponding to a language of the specifications file;

[[a]] the front end configured to create an intermediate file by using the grammar file and the specifications file to perform ~~based on~~ a grammatical and syntactical analysis of the specifications file, said intermediate file comprising a syntactical tree describing data in the specifications file, wherein all data extracted from the specifications file by the front end is associated with a node in the tree;

a template configured to define programming rules associated with each node, as a function of the computer code to be generated; and

a back end configured to generate an output code by reading the intermediate file and the syntactical tree.

Claim 2 (Canceled).

Claim 3 (Previously Presented): The generator of claim 1, wherein the front end breaks down the specifications file into software elements which form the nodes of the syntactical tree, and conform with the specifications file according to a functional tree structure, said software elements being data extracted from the specifications file.

Claim 4 (Previously Presented): The generator of claim 3, wherein the template comprises output code programming rules associated with each software element of a node, said rule and the manner in which the rule is applied being associated with each node.

Claim 5 (Previously Presented): The generator of claim 3, wherein the software elements associated with the nodes are interfaces, variables, constants, operations and logical or mathematical functions.

Claim 6 (Previously Presented): The generator of claim 1, wherein the output code is a computer language.